# Cryogenic Summary Testing D1L103 in MAGCOOL K. C. Wu May 02

- Specifics for testing D1L103
- Tests Performed
- Summary

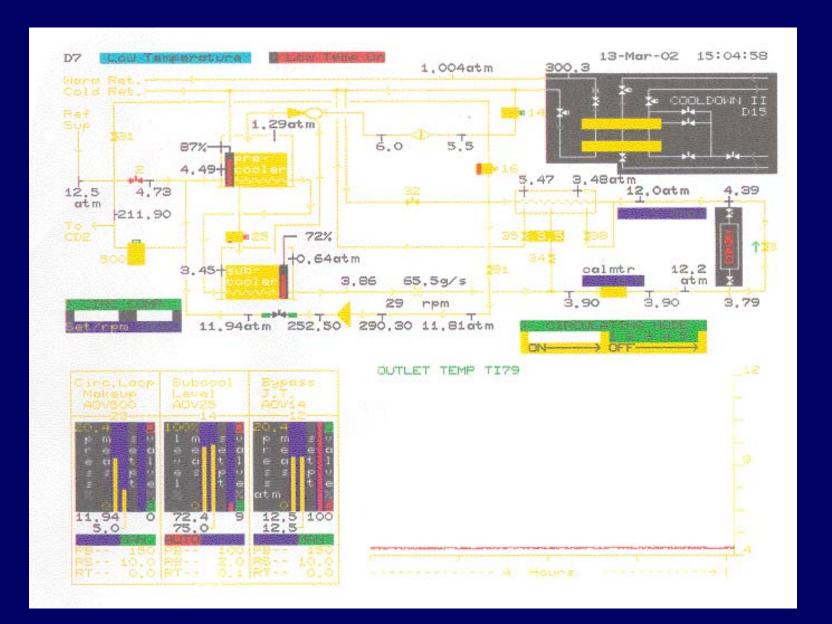
## Specifics for testing D1L103

- Improve thermal insulation and warm bore tube design
- Able to perform field measurement for D1L103

### **Operation Summary**

- 2/26-27 Initial cooldown, 300 100 K, 100 4.5 K
- 2/28-3/1 Test (1000A, 4000A, 5500A, 6362A, 6981A, 6673 A, 6775A)
- 3/2-4 Drift over weekend and cooldown to 4.5 K
- 3/5-8 Field measurement at 5900A & 6500A, Quench 6844A
- 3/9-12 Drift over weekend and cooldown to 4.5 K
- 3/13-15 Field measurement to 5900A
- 3/16-18 Drift over weekend and cooldown to 4.5 K
- 3/19-22 Field measurement to 6500A
- 3/23-25 Shutdown and warmup

#### Typical operating condition D1L103



## Precooling 7500 A Lead

• Similar to D1L101

## Summary

- Heat load in D1L103 is reduced by improving thermal insulation
- Warm bore tube was heat stationed and properly supported
- Able to perform field measurements with warm bore tube open and heater on